

Modern Electrical Appliances Make Your Home Life More Enjoyable

Are You Still Scrubbing Your Clothes in the Old-Fashioned Wash Tub?

Stop It—Before It Sends You to An Early Grave

Buy the
A. B. C.
Super-
Electric



**WASHING
MACHINE**

And Save
Your Health,
Strength and
Time

We will send the Washing Machine to your home on free trial—Do your family washing with it—if you decide to purchase it we will arrange terms to suit you.

WEBSTER ELECTRIC CO.

719 9th St. N. W.

Next to Rialto Theater
Phone Main 5150

POOR LIGHTS KEEP DOWN EFFICIENCY

Proper Illumination Safeguard
Against Industrial Accidents,
Spur to Output.

Not one person in ten realizes that the science of illumination is one of the rare arts of the present day and that industrial efficiency depends in a great measure on skill in the production and proper utilization of artificial light.

As a safeguard against accidents, good light ranks far ahead of all safety appliances and machinery guards, although its value in this respect is not generally recognized by industrial executives. Thousands of accidents actually due to poor illumination are attributed to carelessness on the part of the workmen, but there are any number of cases on record of accidents caused by poorly lighted machines; falls due to bad lighting in passageways; accidents from falling material, molten metal, vats, etc., which might have been avoided by adequate illumination.

An investigation made in 1910 by a large insurance company covering 911,000 accidents indicates that over 23 per cent was due directly or indirectly to improper or inadequate light. During the ten years since 1910, so much progress in illumination has been made that today only about 18 per cent of industrial accidents is due to poor lighting. But even with this progress, it is estimated that the entire labor of 108,000 men is lost in this country each year, through no other cause than accidents resulting from poor light.

One illuminating engineer states that his experience in manufacturing plants shows that the installation of scientific systems of illumination will produce the following benefits: There will be 10 per cent more output, 25

per cent less spoilage, 26 per cent fewer accidents, and 25 per cent better workmanship. There will also be less sickness, decreased labor turnover, and—if desired—twenty-four hours of utilization of facilities.

PEPCO CUTS INSTALLATION COST IN NEW CONCESSION

Extends Free Extensions of Over-
head and Underground Lines.
Meets Protests.

Installation of electric lighting and power systems in houses and business places will be encouraged by a new concession announced by William F. Ham, president of the Potomac Electric Light and Power Company, at a hearing before the Public Utilities Commission.

Where wiring is being installed in a building, the company hereafter will extend its overhead lines 250 feet without charge to the patron. Underground work will be extended 35 feet without charge. The previous concession was 125 feet free for overhead and 15 feet for underground work.

The new arrangement reduces the cost of installation about \$50 for either underground or overhead construction, as the cost, based on actual experience of the company, is \$3.25 a foot underground and 40 cents a foot overhead. This price, set by the commission, is figured as the cost of labor and material. As new subscribers come into the neighborhood so as to get advantage of the extension, the deposit will be refunded to the original subscriber.

The Public Utilities hearing was held to discuss complaints by consumers that the deposits required by the company for extensions were exorbitant.

ELECTRIC CONTROLS FOR MILITARY SEARCHLIGHTS

It has been found by experience that an observer operating a military searchlight finds it difficult to train the searchlight on the target when he is stationed close to the searchlight itself. The reason for this is that the observer at the lamp is handicapped by the dazzling effect of the bright beams on the eye.

On account of this feature of searchlight operation, remote control schemes have been devised whereby the observer is stationed at a distance of some 5000 feet from the searchlight itself and these trains the lamp upon the target by means of electrical control.

Has Your Family the Comforts of Electricity?

Your wife and children deserve the comfort, convenience and safety of Electric Light.

We make a specialty of wiring finished houses. And you don't have to move out or be put to any inconvenience.

Every workman in our employ is an expert.

Estimates cheerfully furnished.

FOR BEST SERVICE, SEE

GEORGE G. RABBITT,

Successor to John R. Galloway,
805 Ninth St. Phone Main 250.

FRENCH FOLK CLING TO OLD DOMESTIC CUSTOMS

Use Fireplace in Cooking, Go to
Creek or Canal to Wash
Their Clothes.

American people would mightily appreciate electric light, telephone, bath tubs, sewerage, if they could live in France a few months. Only the very rich people over there have such conveniences, and many wealthy folks still cling to old customs. There may be some homes in France which have been built during the last 100 years, but they are few and far between.

The women of the working class take their washing to the creek or canal and lean over, using the creek or canal for their wash tub. In the latter cities, the municipality maintains floating barges along the river where the women can squat around the edge and wash their clothes, thus staying out of the mud. Some are provided with stoves and vessels for boiling the clothes.

In the kitchen one seldom sees a coal stove if firewood is available. Much of the cooking is done in fireplaces. The French consume lots of soup, which is easily boiled in a pot over the fire, and a vessel set on the coals stews or fries other foods.

Where a coal stove is present they usually burn charcoal. A small hand-fuel is put in a little hollowed-out place under a wire grating, there being several of these places on the stove so that several foods can cook at once. A hot fire is obtained by blowing the coals energetically with a bellows, and only the exact amount of charcoal required to cook the food is consumed, the bellows here live work the hotter the fire! This may be very economical, but it is terribly inconvenient. Just think of the dirt, drudgery, and the time taken to do the work!

Why should anyone in America hesitate to take advantage of the many conveniences of electric service so easily obtained in this land of plenty? The wage earner here lives in a home supplied with as many modern conveniences as wealthy folks of France often possess.

AMERICAN WASHER MAKE BIG HIT IN MITYLENE

The American washing machine has penetrated the ancient Greek island of Mitylene in the Aegean Sea. Its advent has electrified the good wives of that locality, who for centuries have washed clothes without soap and by a peculiar process of their own. After thrashing the clothes on the seaside rocks they placed them in a wicker basket, over which was placed a cloth sprinkled with ashes. Hot water was then poured over the ashes, producing a lye which seeped through the covering cloth and bleached the clothes. It took many women to complete this primitive method of laundering.

A Nebraska Red Cross woman recently exhibited the working of the modern American washing machine at the Red Cross warehouse before a crowd of interested women. They saw her put soiled garments into a tub with a cake of soap and some water, then clamp down a top and start turning a crank. In ten minutes she announced the clothes were clean. Several in the crowd snickered. But when the clothes were taken out white and clean, there was a babel of Greek amazement, and the women fought to examine the machine and to turn the crank at the second demonstration. Yet American women, who enjoy the convenience of an electric washer, sometimes say: "Well, will it take the clothes out and hang them on the line?"

SUCTION CLEANER GREAT ASSET TO HOUSEKEEPING

An old Chinese proverb expresses the thought that "a hundred men make an encampment, but it takes a woman to make a home." And next to her family there's nothing dearer to a woman's heart than her home. First comes the delight in furnishing it, and then comes the desire to keep it always as sweet and clean as it was when new. The keeping of a home is not the laborious task it was in days gone by. Home-making is a pleasure when done in the modern fashion, and takes but one-third the time.

Man's genius for invention has been applied recently to problems domestic and of the hundred and one labor-saving appliances, the suction cleaner has contributed much to comfort and leisure.

First we had to endure the dust-scattering broom and the task of dusting afterwards, for the broom really only removed the dirt from one place to another. Then the carpet sweeper made its bow, only to be replaced by the more efficient electric cleaner. And by these steps we have arrived at the easiest, most sanitary and thorough method of cleaning the home and keeping it always neat and clean.

In the living room are rugs, perhaps highly prized, with delicate colorings easily dimmed by dirt. They should be kept clean, for it is dirt that cuts the nap and shortens the life of rugs. It is not hard to keep them clean with a modern cleaner, which runs lightly over any kind of rug. The cleaner does all the work, supplies all the energy and all the while unseen, the dirt is being removed dustlessly, from the fabric of the rugs.

Keeping the dining room spotless is a simple matter if the cleaner is run over the rug after each meal. Crumbs and soft food particles are picked up without injury to the rug and the life of the floor covering is thus lengthened.

STANDARD INDUSTRIAL LIGHTING INTRODUCED

Introduction of the R. L. M. standard of industrial lighting was made before a joint meeting of the Illuminating Engineering Society and American Institute of Electrical Engineers at the New Willard Friday evening by Ward Harrison, illuminating engineer of the National Lamp Works. This standard of lighting

greatly reduces the accidents actually due to poor illumination in the factories and will do away with the improper distribution of lights, giving more adequate light in passageways, reducing shadows, etc.

M. Luckiesh, physicist of the Nela Research Laboratories at Cleveland, gave an illustrated lecture on "Residence Lighting." Mr. Luckiesh brought out points advantageous to architects and designers of buildings in order to bring out better light for residences.

The meeting was given under the auspices of the American Institute of Electrical Engineers.

Good House Lighting

Is the Essential Part of Living
"If It's Electrical, We Do It"

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**TURBERVILLE
and HARDING**
709 12th St. N. W.
Phone Franklin 7004

EXPERIMENTAL SCIENCE

CHEMISTRY—A few regular monthly pages: New Hook Ups, New Radio Apparatus, for the Chemical Laboratory, etc.

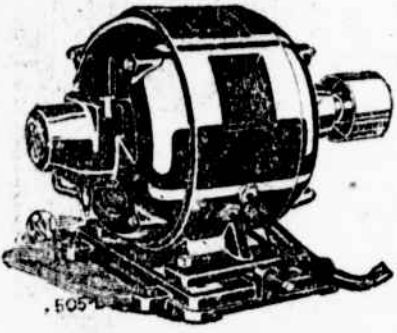
PHYSICS—Subscription rate, \$1.50 per year; 6 mos., 75c; 3 mos., trial, 40c; Canada, \$1.75. Size of page, 7 1/2 by 10 1/2.

No one who is interested in Radio, Electricity, Chemistry or general Science can afford to be without this valuable monthly magazine. Its articles are the work of authorities on the subjects named, from the standpoint of the non-technical as well as the practical technical man.

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We specialize in power plant installation.

Experts only are in charge of our motor installation work.

Prompt and efficient service guaranteed.

After a PLEASANT Meal Comes the Most UNPLEASANT Task of WASHING DISHES

Unless You Have the
**Western Electric
DISHWASHER AND
KITCHEN TABLE**
in Your Home



Makes Dishwashing a Pleasure
And when not in use, is a most
sanitary and practical kitchen
table.

Ask For Free Demonstration.

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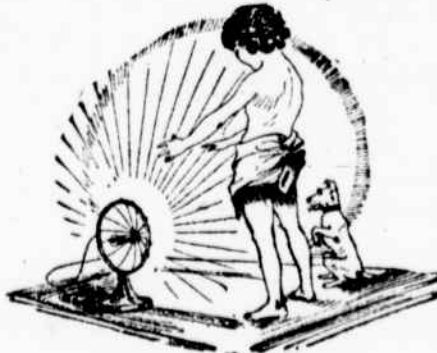
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Electrical Supplies—Repair Work—Household Appliances

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Just the thing to supply instant warmth during damp spring days when your permanent heat installations are not in use. Indispensable for the sick room or nursery.

You just attach to any electric socket and instantly delightful waves of warmth radiate and fill the room.

We have several sizes and styles in Simplex, Hot-point and Universal Heaters. Prices starting with the Simplex, range from \$9 Up

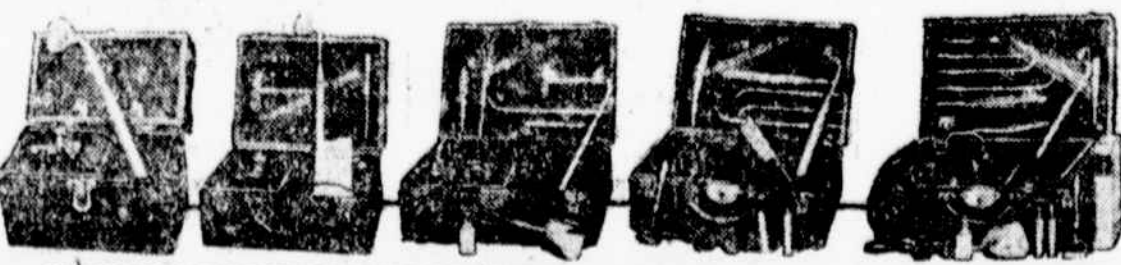


FREE DEMONSTRATION ALL WEEK OF THE

BRANSTON VIOLET RAY HIGH FREQUENCY GENERATOR

The Branston Generators have, for years been acknowledged to be the standard of the world, but the new models, embodying all latest discoveries, surpass anything ever before offered.

Violet Ray High Frequency Generators have been used with great success in sanitariums and convalescent hospitals for years, and during the World's War, Violet Ray did its bit. It is unsurpassed in the treatment of Asthma, Catarrh, Deafness, Lumbago, Nervous Affections, Eczema, Headaches, Insomnia, Throat Diseases, Neuralgia, Neuritis, Paralysis, Sciatica, Rheumatism and for the relief of pain.



VARIOUS MODELS FROM \$30 UP—DEFERRED PAYMENTS IF DESIRED

You are cordially invited to call—on the demonstration you explain to you the benefits derived from the use of the Branston Violet Ray High Frequency Generator.

Everything
for the
Motorist

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SUPPLY COMPANY**
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is one of the fundamental reasons for the popularity of the OHIO-TUEC—the perfected electric vacuum cleaner. Don't buy an unreliable machine when you can invest in an OHIO-TUEC, the cleaner that pays for itself year in and year out, and never gets out of order.

Cleans Without
Beating and
Pounding

FREE TRIAL IN YOUR HOME

Without any obligation on your part we will gladly send an OHIO-TUEC to your home for trial.

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Capital Electric Co., 1525 14th St.
Davis Electric Co., 1009 H St.
Electrical Shop, 1414 Park road.
Excella Gas & Electric Co., 737 12th St.
Kramer & Dushring, 1532 14th St.
Modern Electric Shop, 1411 U St.
Edgar Morris Sales Co., 1305 G St.
Nat'l Vacuum Sales Co., Stewart bldg.
George G. Rabbitt, 805 9th St.
John C. Rau, 524 12th St.
Salmon-1900 Sales Co., 1206 G St.
Turberville & Harding, 709 12th St.
Wardfield & Sanford, 910 E St.
Washington Electric Co., 21 H St.
Williams Elec. Co., Fredericksburg, Va.
J. Watson Terhune, Distributor, 1410 H St.

Quality in electrical material cannot be too high

There are few places where quality counts for so much as in electrical work. The failure of a tiny spring in a wall switch may throw your entire lighting system out of order. But the better manufacturers realize the importance of quality and as a result their electrical material is built to last and does last.

The better class of electrical contractors, knowing that their reputations depend on the material which they use find it pays to buy only the best.

But of course there are cheaper grades to be had because there are short-sighted contractors to buy this cheaper material. It goes into the "cheap" jobs, too.

And sometimes it's pretty hard to tell the difference at first. But time is a great seeker-out of poor material and poor workmanship.

After all, there is little argument, is there? If you want good electrical work and good material you will go to a reliable, established contractor.

Arcade Electric	..... Arcade Market, (Ernest Augerman, Mgr.)	Col. 5012
Capital Electric Co.	..... 1525 14th St.,	Franklin 4582
F. L. Clarke	..... 1242 Wisconsin Ave.,	West 2419
Davis Electric Co.	..... 1009 H St.,	Franklin 5040
Howard P. Foley Co.	..... 1413 G St.,	Main 1135
E. C. Gramm	..... 1408 Eye St.,	Franklin 5016
Home Electric Shop	..... 2203 14th St., (J. D. Campbell, Mgr.)	North 4226
Arthur Lowe	..... 3438 14th St. N. W.	Col. 9610
Modern Electric Shop	..... 1411 U St.,	North 2153
Geo. G. Rabbitt	..... 805 9th St., (Successor to John R. Galloway)	Main 280
H. I. Scharr Elec. Co.	..... 711 13th St.,	Main 1286
J. E. Taylor & Co.	..... 1324 Eye St.,	Main 7103